

| Track # | Abstract No. | Authors | Title | Session Title | Date | Session Time | Planned presentation slot | Conference Room |
|-----------|--------------|---|---|--------------------------------------|---------------------|---------------|---------------------------|-----------------|
| A1 | | Chair: Alik van Heek | Short introduction by chairperson | | Mon, 7. Oct | | 16.30-16.40 | Eurotop |
| a1 | 2 | V. Seker, S.Sen, O.K: Kadiroglu | Thermodynamic Analysis of PBMR Plant | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 16.40 - 16.55 | Eurotop |
| a1 | 3 | S. Rimkevicius, J. Vilemas, E. Uspuras | Experimental Investigation of Thermalhydraulic Characteristics in Pebble Beds, placed in Thin Annular Slots with Axial Gas Flows | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 17.00 - 17.15 | Eurotop |
| a1 | 114 | Jan Kysela, Vladimir Broz, Oldrich Erben, Petr Novosad, Rudolf Vsolak, Milan Zmitko | Experimental research reactor LVR-15 - operation and use | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 17.20 - 17.35 | Eurotop |
| a1 | 72 | T D Newton | The Development of Modern Design and Reference Core Neutronics Methods for the PBMR. | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 17.40 - 17.55 | Eurotop |
| a1 | 73 | D.F. da Cruz, J.B.M. de Haas, A.I. van Heek | Acacia-Indirect: a small Scale Power Plant with Cartridge Pebble Bed Reactor | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 18.00 - 18.15 | Eurotop |
| a1 | 113 | Ilja Plecas, Milan Pesic, Radojko Pavlovic | Formulation of National Scientific Program Nuclear Reactors and Radioactive Waste | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 18.20 - 18.35 | Eurotop |
| a1 | 70 | R. G. Ballinger, C. Y. Wang | Design Challenges for the Development of Turbo-Machinery for an Indirect, Closed, Intercooled, Helium Cycle Pebble Bed Reactor | Innovative reactors and fuel cycles | Mon, 7. Oct | 16.30 - 19.00 | 18.40 - 18.55 | Eurotop |
| A2 | | Chair: Frank Carré | Short introduction by chairperson | | Tue, 8. Oct. | | 09.00 - 09.10 | Eurotop |
| a2 | 37 | D. Buckthorpe, R. Couturier, B.van der Schaaf, J. van der Laan, B. Riou, H. Rantala, R.Moormann, G. Haag , P. Ennis, A. Buenaventura, B-C Friedrich | European project on Materials for Modular HTR's | Innovative Reactors and Fuel Cycles. | Tue, 8. Oct. | 09.00 - 10.45 | 09.10 - 09.25 | Eurotop |
| a2 | 98 | J.C. Kuijper, J.B.M. de Haas, J. Oppe | HTR Core Physics Analysis at NRG | Innovative reactors and fuel cycles | Tue, 8. Oct. | 09.00 - 10.45 | 09.30 - 09.45 | Eurotop |
| a2 | 100 | JC. Garnier, J. Rouault, M. Delpech, JP. Gaillard, A. Conti, G. Rimpault, JC. Bosq, HB. Choi, Ph. Martin, N. Chauvin | CEA Conceptual Design Study of a Gas-Cooled Fast Reactor - Status and Prospects | Innovative reactors and fuel cycles | Tue, 8. Oct. | 09.00 - 10.45 | 09.50 - 10.05 | Eurotop |
| a2 | 68 | I. Golubev, I. Kadarmetov, V. Makarov | Mathematical Model and Computer Code for Coated Particles Performance at Normal Operating Conditions | Innovative reactors and fuel cycles | Tue, 8. Oct. | 09.00 - 10.45 | 10.10 - 10.25 | Eurotop |
| a2 | 102 | N. Kuzavkov, Yu. Sukharev, S. Usynina | The Way to Improve the Conversion Performance in HTGR with Prismatic Fuel Assemblies on the Base of Low Enriched Uranium | Innovative reactors and fuel cycles | Tue, 8. Oct. | 09.00 - 10.45 | 10.30 - 10.45 | Eurotop |
| A3 | | Chair: Derek Buckthorpe | Short introduction by chairperson | | Tue, 8. Oct. | | 11.15 - 11.25 | Eurotop |
| a3 | 17 | Jari Tuunanen | ALWR - VTT'S Technology Programme on Advanced Light Water Reactors | Innovative reactors and fuel cycles | Tue, 8. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Eurotop |
| a3 | 28 | Yu.N. Kuznetsov, B.A. Gabaraev, I.I. Rylov, V.A. Reshetov, V.A. Moskin | Leasing of Nuclear Power Plants with Using Floating Technologies | Innovative Reactors and Fuel Cycle. | Tue, 8. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Eurotop |
| a3 | 69 | R. G. Ballinger, J. Y. Lim | An Overview of Materials Issues for the Design and Operation of Lead and Lead-Bismuth Cooled Reactor Systems: An Engineering Systems Approach | Innovative reactors and fuel cycles | Tue, 8. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Eurotop |
| a3 | 115 | Gheorghe Negut, Violeta Stefan, Marin Preda, Marin Ciocanescu, Dumitru Dobra, Mirela Ancuta | Fuel Behaviour Tranzient Tests in ACPR | Innovative reactors and fuel cycles | Tue, 8. Oct. | 11.15 - 13.15 | 12.25 - 12.40 | Eurotop |
| A4 | | Chair: Frank Carré | Short introduction by chairperson | | Tue, 8. Oct. | | 14.30 - 14.40 | Eurotop |

| Track # | Abstract No. | Authors | Title | Session Title | Date | Session Time | Planned presentation slot | Conference Room |
|-----------|--------------|--|--|---|---------------------|---------------|---------------------------|-----------------|
| a4 | 119 | Richard Mayson | Ability of AP1000 to Meet UK Licensing Requirements | Innovative reactors and fuel cycles | Tue, 8. Oct. | 14.30 - 16.15 | 14.40 - 14.55 | Eurotop |
| a4 | mt2 | Dominique Hittner et al | HTR-TN and the European programme for the development of HTR technology | Innovative reactors and fuel cycles | Tue, 8. Oct. | 14.30 - 16.15 | 15.00 - 15.15 | Eurotop |
| a4 | mt3 | Dominique Hittner et al | The European programme on HTR fuel technology | Innovative reactors and fuel cycles | Tue, 8. Oct. | 14.30 - 16.15 | 15.20 - 15.35 | Eurotop |
| a4 | mt1 | Dominique Hittner et al | The European approach for the development of next generation roadmap | Innovative reactors and fuel cycles | Tue, 8. Oct. | 14.30 - 16.15 | 15.40 - 15.55 | Eurotop |
| a4 | mt4 | Dominique Hittner et al | The European Programme on High Temperature Reactor Nuclear Physics, Waste and Fuel Cycle Studies | Innovative reactors and fuel cycles | Tue, 8. Oct. | 14.30 - 16.15 | 16.00 - 16.15 | Eurotop |
| A5 | | Chair: Dominique Greneche | Short introduction by chairperson | | Tue, 8. Oct. | | 16.45 - 16.55 | Eurotop |
| a5 | 76 inpro | V. M. Mourogov | Innovative Nuclear Technologies and the IAEA Role | Innovative reactors and fuel cycles (INPRO) | Tue, 8. Oct. | 16.45 - 18.30 | 16.55 - 17.10 | Eurotop |
| a5 | 77 inpro | A. Bonne, M. Gray, E. Falck, M. Bell | Development of Users' Requirements for Environmental Effects from Innovative Nuclear Reactors and Fuel Cycle Systems | Innovative reactors and fuel cycles (INPRO) | Tue, 8. Oct. | 16.45 - 18.30 | 17.15 - 17.30 | Eurotop |
| a5 | 78 inpro | B. Kuczera, P. E. Juhn, K. Fukuda | User Requirements in the Area of Safety and Innovative Nuclear Reactors and Fuel Cycle Installations | Innovative reactors and fuel cycles (INPRO) | Tue, 8. Oct. | 16.45 - 18.30 | 17.35 - 17.50 | Eurotop |
| a5 | 79 inpro | Thomas E. Shea, Vladimir Kagramanian, Wilhelm Gmelin, Davis Hurt, Zunqi Liu, Laura Rockwood, Jan Lodding | Proliferation Resistance in Innovative Nuclear Reactor and Fuel Cycles | Innovative reactors and fuel cycles (INPRO) | Tue, 8. Oct. | 16.45 - 18.30 | 17.55 - 18.10 | Eurotop |
| a5 | mt5 | Dominique Hittner et al | Engineering design of the Mercury loop for the ESS | Innovative reactors and fuel cycles (INPRO) | Tue, 8. Oct. | 16.45 - 18.30 | 18.15 - 18.30 | Eurotop |
| A6 | | Chair: Dominique Greneche | Short introduction by chairperson | | Wed, 9. Oct. | | 09.00 - 09.10 | Eurotop |
| a6 | 7 | F. Drain, R. Voinche, P. Lavanant | Towards a new generation of reprocessing plants: start up of the R4 plutonium finishing facility | Innovative reactors and fuel cycles | Wed, 9. Oct. | 09.00-10.45 | 09.10 - 09.25 | Eurotop |
| a6 | 29 | I.Kh.Ganev, Yu.N.Kuznetsov, A.V.Lopatkin, V.A.Reshetov, V.A. Moskin | Role of Homogeneous Reactor used for Burning Actinides to Provide Safety of Prospective Nuclear Fuel Cycle | Innovative reactors and fuel cycles | Wed, 9. Oct. | 09.00-10.45 | 09.30 - 09.45 | Eurotop |
| a6 | 39 | J T Murgatroyd, H M Beaumont, G Hulme, D N Millington, R E Sunderland, E K Whyman | Optimisation of the CO2 Cooled Fast Reactor for Plutonium and Minor Actinide Management | Innovative reactors and fuel cycles | Wed, 9. Oct. | 09.00-10.45 | 09.50 - 10.05 | Eurotop |
| a6 | 87 | B. Bonin, D. Greneche, F. Carré, F. Damian, J.Y. Doriath | Prospective Studies of HTR Fuel Cycles Involving Plutonium | Innovative reactors and fuel cycles | Wed, 9. Oct. | 09.00-10.45 | 10.10 - 10.25 | Eurotop |
| a6 | 110 | M. F. Robbe | Bibliographic Synthesis of the German and French Works Relative to Slug Impact in PWR | Innovative reactors and fuel cycles | Wed, 9. Oct. | 09.00-10.45 | 10.30 - 10.45 | Eurotop |
| A7 | | Chair: Dominique Barbier | Short introduction by chairperson | | Wed, 9. Oct. | | 11.15 - 11.25 | Eurotop |
| a7 | mt6 | Atambir Rao | ESBWR design concept | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Eurotop |
| a7 | 60 | V. Seliverstov, V. Konev, M. Ohclopkov, O. Shvedov | HWR-1000US - Heave Water Moderated Gas Cooled Power Reactor with Ultimate Safety | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Eurotop |
| a7 | 117 | G.M. Thomas, W. Assal, P. Chaussonnet, C. Destouches, C. Jammes, J.-M Laurens, M. Plaschy, R. Soule | Steady State Calculations in Support of the MUSE-4 Experimental Programme | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Eurotop |
| a7 | 120 | Richard Mayson, Ed Cummins | AP1000 Advanced Passive Plant: Design Features and Benefits | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 12.25 - 12.40 | Eurotop |

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|-----------|--------------|---|---|---|---------------------|---------------|---------------------------|-----------------|
| a7 | 21 | Sergey G. Gorodkov, Anatoly V. Klimenko, Stephan Koshovan, Julia S. Marina. | Is it possible to reduce energy costs without using nuclear power? | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 12.45 - 13.00 | Eurotop |
| a7 | 111 | N.R. Kuzelez | The Complex of Resources for Radionuclide Computed Tomographic Diagnostics of Nuclear Fuel | Innovative reactors and fuel cycles | Wed, 9. Oct. | 11.15 - 13.15 | 13.05 - 13.20 | Eurotop |
| A8 | | Chair: Dominique Barbier | Short introduction by chairperson | | Wed, 9. Oct. | | 14.30 - 14.40 | Eurotop |
| a8 | 82 | M.F. Robbe, M. Lepareux, Y. Cariou | Estimation of the Consequences of a Core Disruptive Accident in the Small-Scale Mock-Up MARA10 Representing a LMFBR | Innovative reactors and fuel cycles | Wed, 9. Oct. | 14.30 - 16.00 | 14.40 - 14.55 | Eurotop |
| a8 | 83 | M.F. Robbe, M. Lepareux, Y. Cariou | Interpretation of the MARA8 Test Simulating a Core Disruptive Accident in a Liquid Metal Fast Breeder Reactor | Innovative reactors and fuel cycles | Wed, 9. Oct. | 14.30 - 16.00 | 15.00 - 15.15 | Eurotop |
| a8 | 66 | Sergei A. Kulyukhin and Nikolai B. Mikheev | A Comprehensive Passive System for Environmental Protection During Severe Accidents at NPPs | Innovative reactors and fuel cycles | Wed, 9. Oct. | 14.30 - 16.00 | 15.20 - 15.35 | Eurotop |
| a8 | 86 | V.A. Vasilenko | The New Generation VVER-640 NPP – a Safer Choice for the Nuclear Power Industry | Innovative reactors and fuel cycles | Wed, 9. Oct. | 14.30 - 16.00 | 15.40 - 15.55 | Eurotop |
| B1 | | Chair: Werner von Lensa | Short introduction by chairperson | | Tue, 8. Oct. | | 11.15 - 11.25 | Pasteur |
| b1 | 5 | Ravnik, Bozic, Zagar. | Calculation of neutron flux in the reactor radiological shield for decommissioning planning | Waste management including P&T and ADS development | Tue, 8. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Pasteur |
| b1 | 8 | V. Londres, G. Nellaz, JC Dumont, F. Drain | Management of solid waste in the nuclear fuel cycle: COGEMA's solution | Waste management including P&T and ADS development | Tue, 8. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Pasteur |
| b1 | 92 | J.A. Mason, A Tolchard | Combined Technology Automated Waste Characterisation System | Waste management including P&T and ADS development | Tue, 8. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Pasteur |
| b1 | 30 | Michel Detilleux | Radioactive Waste Characterization in Belgium | Waste management including P&T and ADS development. | Tue, 8. Oct. | 11.15 - 13.15 | 12.25 - 12.40 | Pasteur |
| b1 | 112 | Marie-France Robbe, Sandrine Matton, François Bonnes, Annie Contrepois, Jean Corcos | Technical issues in France about spent solid short-lived sources with low activity | Waste management including P&T and ADS development | Tue, 8. Oct. | 11.15 - 13.15 | 12.45 - 13.00 | Pasteur |
| b1 | 48 | Ioana Andreas | Nuclear Waste Management and Spent Fuel Storage in Romania: Options and Priorities | Waste management including P&T and ADS development | Tue, 8. Oct. | 11.15 - 13.15 | 13.05 - 13.20 | Pasteur |
| B2 | | Chair: Hamid Ait Abderahim | Short introduction by chairperson | | Tue, 8. Oct. | | 14.30 - 14.40 | Pasteur |
| b2 | 6 | A. Cocard, M. Bussiere, P. Kerrien, H. Binninger, A. Cabard | A new step in solid waste management : Commissioning of a compaction facility on the La Hague site | Waste management including P&T and ADS development | Tue, 8. Oct. | 14.30 - 16.15 | 14.40 - 14.55 | Pasteur |
| b2 | 9 | J.-P. Moulin, G. Decobert, N. Hubert, C. Georges, B. Vignau | Experience gained with UP1 final shutdown and projected application to the UP2 reprocessing plant | Waste management including P&T and ADS development | Tue, 8. Oct. | 14.30 - 16.15 | 15.00 - 15.15 | Pasteur |
| b2 | 20 | Tomaž Zagar, Matjaž Ravnik, Robert Jeraj, Matjaž Božič | Determination of Long-lived Activation Products in TRIGA Mark II Research Reactor Concrete Shield | Waste management including P&T and ADS development | Tue, 8. Oct. | 14.30 - 16.15 | 15.20 - 15.35 | Pasteur |
| b2 | 19 | S.V. Mikheykin, S.L. Khrabrov, A.Yu. Smirnov | D&D of a Pilot Facility in VNIINM | Waste management including P&T and ADS development | Tue, 8. Oct. | 14.30 - 16.15 | 15.40 - 15.55 | Pasteur |

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| b2 | 85 | Ward G. Brunkow, Richard Govers, Charles Pietsch, Dennis Kelley, Don Krause | The NOCHAR® Technology Deployment Program, Providing a Proven Method Worldwide for Waste Solidification and Stabilization | Waste management including P&T and ADS development | Tue, 8. Oct. | 14.30 - 16.15 | 16.00 - 16.15 | Pasteur |
| B3 | | Chair: Katrien V. Tichelen | Short introduction by chairperson | | Tue, 8. Oct. | | 16.45 - 16.55 | Pasteur |
| b3 | 10 | J.-J. Pielawski, M. Duret, N. Hubert, C. Gawron | Small Sludge Retrieval System | Waste management including P&T and ADS development | Tue, 8. Oct. | 16.45 - 18.30 | 16.55 - 17.10 | Pasteur |
| b3 | 45 | Benjámín Szabó, Eero Mattila | Nuclide Removal and Boron Recovery System for PAKS NPP | Waste management including P&T and ADS development | Tue, 8. Oct. | 16.45 - 18.30 | 17.15 - 17.30 | Pasteur |
| b3 | 53 | I. M. Ismail, M. Nogami and K. Suzuki | Separation of Uranium and Some Rare Earth Elements from Acidic Contaminated Waste Using Diamide Chelating Resins | Waste management including P&T and ADS development | Tue, 8. Oct. | 16.45 - 18.30 | 17.35 - 17.50 | Pasteur |
| b3 | 123 | Roland Glibert | Commissioning and Start-up Tests of Alpha-Contaminated Solid Waste Sorting, Cementing, and Interim Storage Facilities at BELGOPROCESS (Belgium) | Waste management including P&T and ADS development | Tue, 8. Oct. | 16.45 - 18.30 | 17.55 - 18.10 | Pasteur |
| b3 | 121 | L.A. Peck, K. Riley | In-situ Chemical Decontamination of a Medium Active Chemical Plant on the Sellafield Site | Waste management including P&T and ADS development | Tue, 8. Oct. | 16.45 - 18.30 | 18.15 - 18.30 | Pasteur |
| B4 | | Chair: Irena Mele | Short introduction by chairperson | | Wed, 9. Oct. | | 09.00 - 09.10 | Pasteur |
| b4 | 47 | Wolfgang Sowa | Operation Experience with the Interim Storage of More Than 600 Castor Casks | Waste management including P&T and ADS development | Wed, 9. Oct. | 09.00-10.45 | 09.10 - 09.25 | Pasteur |
| b4 | 122 | D.G.S.A. Claxton | An Environmental Response Handbook for BNFL Sites | Waste management including P&T and ADS development | Wed, 9. Oct. | 09.00-10.45 | 09.30 - 09.45 | Pasteur |
| b3 | 59 | Gheorghe Ionita, Ioan Stefanescu, Dumitru Steflea, Carmen Varlam | Current Status for Applications of Hydrophobic Pt-Catalysts in Tritium Removal from Effluents | Waste management including P&T and ADS development | Wed, 9. Oct. | 16.45 - 18.30 | 09.50 - 10.05 | Pasteur |
| b4 | 107 | William P. Mashirev, Evgeny N. Zvonarev, Vyacheslav M. Abashkin, Vadim S. Ivanov, Alexander V. Panov, Vladimir G. Subbotin, Alexander D. Yurchenko, Valentin V. Shatalov | Thermochemical Synthesis of Nuclear Fuel Components from Former Weapon-grade Plutonium | waste management including P&T and ADS development | Wed, 9. Oct. | 09.00-10.45 | 10.10 - 10.25 | Pasteur |
| B5 | | Chair: Alain Languille | Short introduction by chairperson | | Wed, 9. Oct. | | 11.15 - 11.25 | Pasteur |
| b5 | 56 | Nikolai K. Prikhod'ko, Lioudmila I. Voronina, Matthew W. Kozak | Study of migration of radionuclides from a zone of an underground nuclear explosion. | Waste management including P&T and ADS development | Wed, 9. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Pasteur |
| b5 | 103 | A. Hogenbirk, L. Mansani, G. Glinatsis, J. Cetnar, S. Pelloni, C. Vicente | Uncertainty evaluation of the nuclear design of PDS-XADS | waste management including P&T and ADS development | Wed, 9. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Pasteur |
| b5 | 25 | M.M. Ninković, J.J. Raičević, F. Adrović | Attenuation and Transmission of the Co-60 Gamma Rays Throughout Soil Slab Shields | Waste management including P&T and ADS development. | Wed, 9. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Pasteur |
| b5 | 46 | A.B.Yusov, A.M.Fedosseev, A.A.Bessonov, J.-C.Krupa | Pu(VI) complexation with orthosilicic acid Si(OH) ₄ | Waste management including P&T and ADS development | Wed, 9. Oct. | 11.15 - 13.15 | 12.25 - 12.40 | Pasteur |
| b5 | 54 | Peter Hufschmied, Walter Wildi, Michael Aebersold | "Monitored Long-Term Geological Disposal" a new approach to the disposal of radioactive waste in Switzerland | Waste management including P&T and ADS development | Wed, 9. Oct. | 11.15 - 13.15 | 12.45 - 13.00 | Pasteur |
| B6 | | Chair: Michel Hugon | Short introduction by chairperson | | Wed, 9. Oct. | | 14.30 - 14.40 | Pasteur |

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| b6 | 24 | K. Van Tichelen , Th. Aoust, G. Van den Eynde, Ph. Benoit, E. Malambu, B. Arien, F. Vermeersch, P. Kupschus, H. Ait Abderrahim | MYRRHA, A Multipurpose Accelerator Driven System for Research & Development | Waste management including P&T and ADS development. | Wed, 9. Oct. | 14.30 - 16.00 | 14.40 - 14.55 | Pasteur |
| b6 | 42 | Petr Darilek , Vladimir Necas, Vladimir Sebian | Transmutation Back-End Solution in Small Nuclear Economy | Waste management including P&T and ADS development | Wed, 9. Oct. | 14.30 - 16.00 | 15.00 - 15.15 | Pasteur |
| b6 | 94 | D. Haas, R.J.M. Konings, J. Magill | Partitioning and Transmutation: Challenges and Perspectives | Waste management including P&T and ADS development | Wed, 9. Oct. | 14.30 - 16.00 | 15.20 - 15.35 | Pasteur |
| b6 | 106 | Toshihide Asakura, Shinobu Hotoku, Hideaki Mineo, Gunzo Uchiyama; Harutaka Hoshi, Yuezho Nagaoka, Mikio Kumagai | Process development in PARC reprocessing process to separate minor actinides | Waste management including P&T and ADS development | Wed, 9. Oct. | 14.30 - 16.00 | 15.40 - 15.55 | Pasteur |
| b6 | 125 | Luigi Mansani, Kenneth Bum, Renato Tinti, Benoit Giraud, Richard Sunderland, Jerzy Cetnar | Proposed Core Configurations for a Gas Cooled and a Lead-Bismuth eutectic Cooled ADS System | Waste management including P&T and ADS development | Wed, 9. Oct. | 14.30 - 16.00 | 16.00 - 16.15 | Pasteur |
| C1 | | Chair: Hans Forsström | Short introduction by chairperson | | Mon, 7. Oct | | 16.30 - 16.40 | Matisse |
| C1 | 124 | J. Guidez, S. Crutzen | Keeping tools available for future nuclear R&D | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 16.40 - 16.55 | Matisse |
| c1 | 4 | Hans-Joachim Roegler | The future of research reactors in the environment of competing neutron sources | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 17.00 - 17.15 | Matisse |
| c1 | 16 | G. Willermoz, D. Gallo, A. Aggery, S. Cathalau, B. Guigon, S. Loubière, B. Noël | HORUS3D : A consistent neutronics/thermohydraulics code package for the JHR modelization | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 17.20 - 17.35 | Matisse |
| c1 | 81 | Klaus Schreckenbach | Performance and Research Program of the New Research Reactor FRM-II | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 17.40 - 17.55 | Matisse |
| c1 | 89 | M. Rommens, A. Ballagny, Y. Bouilloux, X. Bravo, B. Guigon | Jules Horowitz Reactor, basic design | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 18.00 - 18.15 | Matisse |
| c1 | 91 | A. Alberman, S. Bendotti, F. Lefèvre, E. Verdeau | OSIRIS reactor journey towards next energy systems | Experimental & research reactors and neutron sources | Mon, 7. Oct | 16.30 - 19.00 | 18.20 - 18.35 | Matisse |
| C2 | | Chair: Alain Ballagny | Short introduction by chairperson | | Wed, 9. Oct. | | 09.00 - 09.10 | Matisse |
| c2 | 22 | R A Bond, D W Sweet | Nuclear Power Systems for Mars Exploration | Experimental & research reactors and neutron sources: space power and propulsion | Wed, 9. Oct. | 09.00-10.45 | 09.10 - 09.25 | Matisse |
| c2 | 50 | E.Mainardi, A.Gandini, A.Naviglio, M.Cumo | The MAUS Reactor for Electricity Production in Space. Some design features and Neutronics Monte Carlo Calculations | Experimental & research reactors and neutron sources: space power and propulsion | Wed, 9. Oct. | 09.00-10.45 | 09.30 - 09.45 | Matisse |
| c2 | 84 | Yulun Li | A Spent Fuel Reactor as Nuclear Heat Source | Experimental & research reactors and neutron sources: space power and propulsion | Wed, 9. Oct. | 09.00-10.45 | 09.50 - 10.05 | Matisse |
| D4 | | Chair: Ian Cook | Short introduction by chairperson | | Mon, 7. Oct | | 16.30 - 16.40 | Pasteur |
| d1 move to C1 | 74 | Peter Ballo, Vladimír Slugen | Atomic scale simulations of grain boundary sliding and migration in copper - Effect of temperature | Fusion technology + Panel discussion on fusion technology | Mon, 7. Oct | 16.30 - 19.00 | 16.40 - 16.55 | Pasteur |
| d1 move to C1 | 75 | V. Slugen, P. Ballo, P. Domonkoš | Positron Annihilation Study of Copper Alloys Selected for Application I ITER | Fusion technology + Panel discussion on fusion technology | Mon, 7. Oct | 16.30 - 19.00 | 17.00 - 17.15 | Pasteur |

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| d1 | Panel | Moderator: Mr Ian Cook; Participants: Mr Pablo Fernandez, Dr Robert Aymar, Dr Roberto Andreani, Dr David Maissonier, Mr Alain Vallee | Panel discussion on Fusion technology with five subjects: 1) European Fusion Program 2) ITER Project 3) Power Plant Studies 4) Site Studies 5) Industry Participation | Fusion technology + Panel discussion on fusion technology | Mon, 7. Oct | 16.30 - 19.00 | 17.20 - 19.00 | Pasteur |
| E1 | | Chair: Herwig Paretzne | Short introduction by chairperson | | Tue, 8. Oct. | | 09.00 - 09.10 | Pasteur |
| e1 | 43 | Dae Sik Yook, Kun-Jai Lee | Estimation of the HTO evaporation to the atmospheric tritium concentrations | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 09.10 - 09.25 | Pasteur |
| e1 | 44 | Yves Brachet, Jean-Louis Mauclert, Daniel Asselot | Practical radioprotection experience in maintenance of nuclear plants | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 09.30 - 09.45 | Pasteur |
| e1 | 52 | Irma Mosse, V. Molophei, S. Plotnikova, L. Kostrova | Mutagenic Effects of Low Radiation Doses and Their Modification by Different Chemicals | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 09.50 - 10.05 | Pasteur |
| e1 | 95 | Tamás Pázmándi, Sándor Deme | Determination of the radiation weighting factor using silicon telescopes | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 10.10 - 10.25 | Pasteur |
| e1 | 49 | V.F. Demin | Health risk from radioactive and chemical environmental contamination: common basis for assessment and safety decision-making | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 10.30 - 10.45 | Pasteur |
| e1 | 104 | H. Sharavarau, A. Basharin, M. Sharavarava, M. Drougatchenok, S. Matveev, E. Bayle, J. Guirouy, J. Ardisson | Management of radioactive decontamination soil waste. | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 10.45 - 11.00 | Pasteur |
| e1 | 105 | K. Sharavarava | The problem of creation of the influence on the people health with radionuclides from the contamination's territories. | Health physics, radiobiology, radioprotection | Tue, 8. Oct. | 09.00 - 10.45 | 11.00 - 11.15 | Pasteur |
| F1 | | Chair: Bernard Carlucc | Short introduction by chairperson | | Tue, 8. Oct. | | 09.00 - 09.10 | Matisse |
| f1 | 15 | Gábor Légrádi, Attila Aszódi | Investigations of natural circulation in the RPV and the cooling pond of VVER-440 type reactors in incidental conditions during maintenance performed with the code CFX-4.3 | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 09.00 - 10.45 | 09.10 - 09.25 | Matisse |
| f1 | 32 | X. Delhaye, A. Charlier, Ph. Damas, H. Druenne, F. Parmentier, C. Mandy, J. Zhang | Thermal hydraulic and Neutronic Safety Analyses for Steam Generators Replacement and Power Uprate at Tihange 2 Nuclear Power Plant | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 09.00 - 10.45 | 09.30 - 09.45 | Matisse |
| f1 | 41 | A.G. Korenkov, B.F. Petrov | Calibration of Detector System for Nondestructive RBMK-1000 Fuel Burnup Measurements. | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 09.00 - 10.45 | 09.50 - 10.05 | Matisse |
| f1 | 108 | P. Mata, R. de la Fuente, J. Iglesias | Application of the Iberdrola Licensing Methodology to the Cofrentes BWR-6 110% Extended Power Uprate | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 09.00 - 10.45 | 10.10 - 10.25 | Matisse |
| f1 | 109 | R. Orive, I. Gallego, P. Garcia-Sedano | Local Analysis Evaluation Model With TRAC-PF1/NEM | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 09.00 - 10.45 | 10.30 - 10.45 | Matisse |
| F2 | | Chair: Jacques Pirson | Short introduction by chairperson | | Tue, 8. Oct. | | 11.15 - 11.25 | Matisse |
| f2 | 18 | Bogdán Yamaji, Dr. Gyula Csom, Dr. Attila Aszódi | Three-dimensional CFD analysis of a molten salt reactor concept | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Matisse |
| f2 | 62 | V.Seliverstov | The forecast method for the multiplying systems fast dynamics modeling | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Matisse |

| Track # | Abstract No. | Authors | Title | Session Title | Date | Session Time | Planned presentation slot | Conference Room |
|-----------|--------------|--|--|---|---------------------|---------------|---------------------------|-----------------|
| f2 | 61 | V. Seliverstov | Diffusion Form of Transport Equation and the Kinetic Diffusion Method for the exact computation of the multiplying systems | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Matisse |
| f2 | 67 | Kazem Farhadi | Flow excursion instability in natural circulation systems | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 11.15 - 13.15 | 12.25 - 12.45 | Matisse |
| F3 | | Chair: Juan Ortega | Short introduction by chairperson | | Tue, 8. Oct. | | 14.30 - 14.40 | Matisse |
| f3 | 11 | Yoshihiro Asada Koichiro Masumoto, Masaru Taniguchi Toshizo Ohya | Preventive Maintenance System for Bottom Mounted Instrumentation (BMI) Nozzles of Reactor Vessel | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 14.30 - 16.15 | 14.40 - 14.55 | Matisse |
| f3 | 12 | Yoshihiro Asada Koichiro Masumoto Masaru Taniguchi Marekazu Narita | Development of Inspection and Repair Technique for CRDM Housing Canopy Seals | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 14.30 - 16.15 | 15.00 - 15.15 | Matisse |
| f3 | 13 | Y.Asada,T.Saito,Y.Tada | SG Tube Inspection with Intelligent ECT system | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 14.30 - 16.15 | 15.20 - 15.35 | Matisse |
| f3 | 31 | Yannick Fons | Maintenance Operation on PWR Reactor Vessel Head Automatic repair of the lip of the CRDM lower CANOPY seal | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 14.30 - 16.15 | 15.40 - 15.55 | Matisse |
| f3 | 63 | D.Lucan, M.Mihalache,L. Velciu, Ghe. Jinescu | Concentration Processes on Stimulated Defects of the CANDU Steam Generator Materials | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 14.30 - 16.15 | 16.00 - 16.15 | Matisse |
| F4 | | Chair: Juan Ortega | Short introduction by chairperson | | Tue, 8. Oct. | | 16.45 - 16.55 | Matisse |
| f4 | 26 | S.A.Kulyukhin, N.B.Mikheev, A.N.Kamenskaya, I.A.Rumer, V.L.Novichenko | A New Environmental Protection System at NPPs | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 16.45 - 18.30 | 16.55 - 17.10 | Matisse |
| f4 | 27 | N.B. Mikheev, B.V. Antonov, A.N. Kamenskaya, A.G.Kornienko, S.A. Kulyukhin, V.M. Meshkov, V.P.Novak, V.L. Novichenko, I.A. Rumer | A New WWER 440/230 Nuclear Power Plant Environmental Protection System During Severe Accidents | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 16.45 - 18.30 | 17.15 - 17.30 | Matisse |
| f4 | 40 | A.G. Korenkov, V.G. Shevchenko | Nondestructive Analysis of Irradiated Fuel Assembly in the RBMK-1000 Cooling –Pond (Storage) | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 16.45 - 18.30 | 17.35 - 17.50 | Matisse |
| f4 | 71 | Heinz-Wilhelm Bock, Karl-Heinz Wiening | Requirement Management for the Design of Safety I&C | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 16.45 - 18.30 | 17.55 - 18.10 | Matisse |
| f4 | 38 | Jean-Jacques Monteil, Nayra Muñoz | Procede de Decontamination de Corps Creux par Jet Chimique | Operation, maintenance, inspection and thermal-hydraulics | Tue, 8. Oct. | 16.45 - 18.30 | 18.15 - 18.30 | Matisse |
| F5 | | Chair: Santiago Martinez | Short introduction by chairperson | | Wed, 9. Oct. | | 11.15 - 11.25 | Matisse |
| f5 | 55 | Da Ruan | Towards Fusion of Soft Computing and Hard Computing Techniques for the Operation of Nuclear Power Plants | Operation, maintenance, inspection and thermal-hydraulics | Wed, 9. Oct. | 11.15 - 13.15 | 11.25 - 11.40 | Matisse |
| f5 | 58 | Ondøej Valsa | Managing the change by information system implementation | Operation, maintenance, inspection and thermal-hydraulics | Wed, 9. Oct. | 11.15 - 13.15 | 11.45 - 12.00 | Matisse |
| f5 | 99 | Steffen Richter | Verification and Validation Process for Safety I&C Systems | Operation, maintenance, inspection and thermal-hydraulics | Wed, 9. Oct. | 11.15 - 13.15 | 12.05 - 12.20 | Matisse |